IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Beyaert et al.

Serial No.: Not yet assigned

Filed: October 8, 2003

For: NOVEL INHIBITORS OF NF- B

ACTIVATION

Confirmation No.: Not yet assigned

Examiner: Unknown

Group Art Unit: Unknown

Attorney Docket No.: 2676-4554.1US

NOTICE OF EXPRESS MAILING

Express Mail Mailing Label Number:	EV 326918765 US		
Date of Deposit with USPS:	October 8, 2003		
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INFORMATION DISCLOSURE STATEMENT

Mail Stop PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08A be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in

37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

Foreign Patent Documents

Document No.	Publication Date	<u>Patentee</u>
WO 97/37016#	10/09/1997	PCT

Other Documents

- DE VALCK et al., "A20, an inhibitor of cell death, self-associates by its zinc finger domain," 384 FEBS Letters 61-64 (1996). #
- FUKUSHI, M., "Homosapiens mRNA for HIV-1, Nef-associated factor 1 beta (Naf1 bets)," EMHUM DATABASE ENTRY HSA011896, ACCESSION NUMBER AJ011896, October 14, 1998, XP002124741. #
- FUKUSHI, M., et al., "NAF1 alpha protein (KIAA0113 protein)," TREMBL DATABASE ENTRY A15025, ACCESSION NUMBER Q15025, November 1, 1996, XP02124740. #
- HENDRICK, B.D., et al., "An X-linked homologue of the autosomal imprinted gene NF127 escapes X chromosome inactivation," EMHUM DATABASE ENTRY HS4131510; ACCESSION NUMBER U41315, May 19, 1996, XP002125387. #
- HEYNINCK et al., "The Zinc Finger Protein A20 Inhibits TNF-induced NF-kB-dependent Gene Exp[ression by interfering with an RIP- or TRAF2-mediated Transactivation Signal and Directly Binds to a Novel NF-kB-inhibiting Protein ABIN," 145 THE JOURNAL OF CELL BIOLOGY 1471-1482 (1999). #
- MIYAJIMA, N., et al., "Human mRNA for KIAA 0133 gene, partial coding sequence," EMHUM DATABSE ENTRY HSORFA2, ACCESSION NUMBER D30755, May 21, 1994, XP002124739. #
- NOMURA et al., "mRNA for ORF, partial CDS (fragment)," TRHUM DATABASE ENTRY Q15025; November 1, 1996, ACCESSION NUMBER Q15025, XP002080989. #
- SONG et al., "The tumor necrosis factor-inducible zinc finger protein A20 interacts with TRAF1/TRAF2 and inhibits NF-kB activation," 93 PROC. NATL. ACAD. SCI. USA 6721-6725 (1996). #

Other Documents

- YEN, R.W.C., et al., "DNA-methyltransferase," SWISSPROT DATABASE ENTRY MTDM_HUMAN; May 1, 1992, ACCESSION NUMBER P26358, XP002080990. #
- PCT International Search Report, PCT/BE99/00055, dated December 31, 1999 (9 pages). #
- PCT International Preliminary Examination Report, PCT/BE99/00055, dated August 10, 2000. #
- YAMAMOTO et al., "Therapeutic potential of inhibition of the NF-kappaB pathway in the treatment of inflammation and cancer," 107(2) J. CLIN. INVEST. 135-142 (January 2001). #
- GHOSH, et al., "Missing Pieces in the NF-kappaB Puzzle," 109 CELL S81-S96 (April 2002). #
- BALDWIN, A.S., "The transcription factor NF-kappaB and human disease," 107(1) J. CLIN. INVEST. 3-6 (January 2001). #
- NGO et al., "Computational Complexity, Protein Structure Prediction and the Levinthal Paradox," The Protein Folding Problem and Tertiary Structure, Merz et al. ed., pages 14-16 (1994). #
- ZHANG, et al., "Environment-dependent residue contact energies for proteins," 97(6) PROC. NATL. SCI. 2550-2555 (March 2000). #
- FUKUSHI et al., (November 1, 1996) Acc. No. Q15025, SPTREMBL_17 database, GenCore Version 4.5, Accessed May 8, 2002. #
- GUPTA, et al. (March 1, 2001) Acc. No. Q9H1J3, SPTREMBL_17, GenCore Version 4.5, Accessed May 8, 2002. #
- HEYNINCK, K., et al., "Structure-function analysis of the A20-binding inhibitor of NF-κB activation, ABIN-1," 536 FEBS LETTERS 135-140 (2003).

#Pursuant to 37 C.F.R. § 1.98(d), copies of the previously identified patents are not being provided since they were previously cited by or submitted to the Office in the following prior application:

Serial No.: 09/702,953 Filed: October 31, 2000

For: NOVEL INHIBITORS OF NF- B ACTIVATION, which application is being relied upon for an earlier filing date under 35 U.S.C. § 120.

Attorney Docket No. 2676-4554.1US

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56 & 1.175, Applicants offer hereby identifies the following listed copending applications naming the same inventor(s):

Attorney Docket No.:	2676-4359US			
Serial No.:	09/553,789			
Filing Date:	April 21, 2000			
Title:	INDUCIBLE CELLULAR IMMUNITY THROUGH ACTIVATION			
	OF TH1 AND SUPPRESSION OF TH2 RESPONSES BY			
	MACROPHAGES			
Attorney Docket No.:	2676-4661US			
Serial No.:	09/764,803			
Filing Date:	January 17, 2001			
Title:	NEW CASPASE HOMOLOGUE			
Attorney Docket No.:	2676-4661.1US			
Serial No.:	10/349,496			
Filing Date:	January 21, 2003			
Title:	NEW CASPASE HOMOLOGUE			
	THE WORLD HOW OLD GOLD			
Attorney Docket No.:	2676-4779US			
Serial No.:	09/838,718			
Filing Date:	April 19, 2001			
Title:	USE OF A CYTOKINE-PRODUCING LACTOCOCCUS STRAIN			
	TO TREAT COLITIS			
Attorney Docket No.:	2676-4976US			
Serial No.:	09/915,060			
Filing Date:	July 25, 2001			
Title:	INTERNAL RIBOSOME ENTRY SITE, VECTOR CONTAINING			
	SAME AND USES THEREOF			
Attorney Docket No.:	2676-5969US			
Serial No.:	10/415,506			
Filing Date:	April 28, 2003			
Title:	METHODS AND MEANS FOR THE DEOLIGOMERISATION OF			
1100	OLIGOMERIC MOLECULES			
	ODIOOMERIC MODECULES			

Attorney Docket No. 2676-4554.1US

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. § 1.17(p) is required.

Respectfully submitted,

G. Scott Dorland, Ph.D. Registration No. 51,622

Attorney for Applicants

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Telephone: 801-532-1922

Date: October 8, 2003

GSD/jml

Enclosures: Form PTO/SB/08A

Cited Documents

Document in ProLaw

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute	te for form 1449A/PTO				Complete if Known
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	Not yet assigned		
		Filing Date	October 8, 2003		
~ 111			LI DIOINI	First Named Inventor	Beyaert et al.
				Group Art Unit	Unknown
	(use as many shee	ts as	necessary)	Examiner Name	Unknown
Sheet	1	of	3	Attorney Docket Number	2676-4554.1US

			U.S. PATENT D	OCUMENTS		
P	Cit	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant	
Examiner Initials *	Cite No. ¹	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	
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	FOREIGN PATENT DOCUMENTS						
Examiner	Cite Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,			
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶	
		WO 97/37016 #	10/09/1997	PCT			
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Examiner Signature	Date Considered	

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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO Complete if Known Application Number Not yet assigned INFORMATION DISCLOSURE October 8, 2003 Filing Date STATEMENT BY APPLICANT First Named Inventor Beyaert et al. Group Art Unit Unknown (use as many sheets as necessary) **Examiner Name** Unknown Attorney Docket Number 2676-4554_IUS

	1	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		DE VALCK et al., "A20, an inhibitor of cell death, self-associates by its zinc finger domain," 384 FEBS Letters 61-64 (1996). #	
		FUKUSHI, M., "Homosapiens mRNA for HIV-1, Nef-associated factor 1 beta (Naf1 bets),: EMHUM DATABASE ENTRY HSA011896, ACCESSION NUMBER AJ011896, October 14, 1998, XP002124741. #	
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		HEYNINCK et al., "The Zinc Finger Protein A20 Inhibits TNF-induced NF-kB-dependent Gene Exp[ression by interfering with an RIP- or TRAF2-mediated Transactivation Signal and Directly Binds to a Novel NF-kB-inhibiting Protein ABIN," 145 THE JOURNAL OF CELL BIOLOGY 1471-1482 (1999). #	
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		SONG et al., "The tumor necrosis factor-inducible zinc finger protein A20 interacts with TRAF1/TRAF2 and inhibits NF-kB activation," 93 PROC. NATL. ACAD. SCI. USA 6721-6725 (1996). #	
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Examiner	Date	
Signature	Considered	

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¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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		Group Art Unit	Unknown
(use as many sheets as	necessary)	Examiner Name	Unknown
Sheet 3 of	_3	Attorney Docket Number	2676-4554 IUS

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		YAMAMOTO et al., "Therapeutic potential of inhibition of the NF-kappaB pathway in the treatment of inflammation and cancer," 107(2) J. CLIN. INVEST. 135-142 (January 2001). #	
		GHOSH, et al., "Missing Pieces in the NF-kappaB Puzzle," 109 CELL S81-S96 (April 2002). #	
		BALDWIN, A.S., "The transcription factor NF-kappaB and human disease," 107(1) J. CLIN. INVEST. 3-6 (January 2001). #	
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		FUKUSHI et al., (November 1, 1996) Acc. No. Q15025, SPTREMBL_17 database, GenCore Version 4.5, Accessed May 8, 2002. #	
-		GUPTA, et al. (March 1, 2001) Acc. No. Q9H1J3, SPTREMBL_17, GenCore Version 4.5, Accessed May 8, 2002. #	
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